

Appl. No. 10/824,993

LISTING OF CLAIMS

1. (Original) In a process for the catalytic amination/hydrogenation of a C1-C8 alkanol wherein the alkanol is reacted with ammonia in the presence of hydrogen and a catalytic amount of a palladium/nickel catalyst carried on a support, the improvement which comprises employing a supported palladium/nickel catalytic composition containing a promotingly effective amount of a metal M selected from the group consisting of zinc, cadmium, copper, and silver.

2. (Original) The process of Claim 1 wherein the nickel is present in an amount from 10 to 25 percent by weight of the support.

3. (Original) The process of Claim 2 wherein the palladium is present in an amount from 0.01 to 20 percent by weight of the support.

4. (Previously Presented) The process of Claim 3 wherein the palladium/nickel catalytic composition consists essentially of palladium, nickel and the metal M where the amount of the metal M is from about 0.001 to 10 percent of the support.

5. (Original) The process of Claim 4 wherein the weight ratio of nickel to palladium is from 1-25:1, the weight ratio of nickel to metal M is from about 10-200:1 and the weight ratio of palladium to metal M is from 0.5-10:1.

6. (Original) The process of Claim 4 wherein the catalyst is present in the monolithic form.

7 - 11. (Canceled)

12. (New) The process of Claim 1 in which the metal M is zinc.

13. (New) The process of Claim 2 in which the metal M is zinc.

14. (New) The process of Claim 3 in which the metal M is zinc.

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15. (New) The process of Claim 4 in which the metal M is zinc.

16. (New) The process of Claim 5 in which the metal M is zinc.

17. (New) The process of Claim 6 in which the metal M is zinc.